

Application No.: Not Yet Assigned

Docket No.: 2018-0134PUS1

IN THE ABSTRACT OF THE DISCLOSURE

Please insert the Abstract of the Disclosure located at the end of this Amendment.

ABSTRACT OF THE DISCLOSURE

Disclosed is a method for patenting at least one steel wire, according to which the temperature is increased at least to a level at which the steel austenitizes, followed by quenching in a liquid medium by directing the wire through at least one curtain of cooling liquid so as to obtain a cooling temperature that lies below the austenitizing temperature, the liquid flowing in a turbulent manner substantially perpendicular to the wire, followed by an isothermal stage during which the wire is maintained at a constant temperature allowing pearlitic transformation. The inventive method is characterized by the fact that additionally, a number of successive curtains can be specifically adjusted so as to obtain the temperature which allows pearlitic transformation and is to be kept constant during the isothermal stage as the cooling temperature through the cooling process in a liquid medium, and the isothermal stage immediately follows the cooling process in a liquid medium.